



Website: <http://www.mathtv.com>

Description:

This website provides step-by-step videos of how to solve math problems. Almost all problems have several different people showing their work (so you get multiple perspectives) and they are done in English and Spanish. There is a massive amount of content which is organized by topic and focuses on concepts covered in high school and early post-secondary study. Videos are designed to be accessible on various devices including smartphones. This website is a supplementary resource meant to be used with math textbooks sold by the website's author; however neither creating a login, nor buying any products is required.

How to Use:

The website is essentially divided into two parts. You can search for videos by topic, or by textbook.

Search by textbook:

- If you choose this search method then the website will simply display a list of textbooks. After selecting a particular textbook you can watch all of the videos associated with that book.

Search by topic:

- If you would like instead to search by topic, you have that option as well. Along the left side of the screen there are 5 major mathematics topics listed: Basic Mathematics, Algebra, Geometry, Trigonometry, and Calculus (as well as an FAQ section).
- If you select any one of these 5 categories then a side branch will open up that shows you even more specific topics within that strand. For example, if you select Calculus you will see Limits, Derivatives, Applications of Derivatives, Integration, and Applications of Integration.
- Some of these topics will branch even further, but in the end you should be able to find what you are looking for. When you get to this stage you will be shown a variety of sample questions and numerous video answers to each one.

Why is it useful?

- 1) Students who require extra help with difficult concepts and problems can get that help even when they are outside of the classroom, without the teacher there to assist them. This website is also useful for teachers themselves, who are looking to brush up on topics that they haven't taught in a while, or have forgotten how to do.
- 2) The resource is very organized and it is easy to find what you are looking for. All high school mathematics concepts are covered which means that you can rely on this website when you have a question or concern with any topic in high school math.
- 3) Videos are a good way for students to learn, since it is almost like having a teacher there to guide you, and is probably easier for most students than reading from a textbook, not to mention less tedious, given the very formal nature of most math textbooks.
- 4) There are multiple videos for each topic which ensures a variety of approaches, teaching styles, and strategies for the same problem. One type may appeal more to a particular learner than another type.